J.RADIOANAL.NUCL.CHEM.,LETTERS 128 /6/ 487-494 /1988/

CONTENTS OF VOLUME 128

No. 1.

T.M. Peev, A.I. Akala, V.L. Tasseva /Bourgas, Bulgaria/ /Accepted 30 May 1988/: Mössbauer study of some corrosion inhibitors 1

I. Czakó-Nagy, A. Vértes, E. Czárán, J. Papp /Budapest, Hungary/ /Accepted 30 May 1988/: Mössbauer spectroscopic characterization of some Hungarian zeolites utilized as catalysts 9

B. Constantinescu, D. Galeriu, E.A. Ivanov, G. Pascovici, D. Plostinaru /Bucharest, Roumania/ /Accepted 3 June 1988/: Determination of ^{131}I, ^{134}Cs, ^{137}Cs in plants and cheese after Chernobyl accident in Roumania 15

V. Nirmala, M.S. Subramanian /Madras, India/ /Accepted 8 June 1988/: Determination of traces of palladium using radioactive zinc dithizonate as a reagent 23

V. Nirmala, M.S. Subramanian /Madras, India/ /Accepted 8 June 1988/: Substoichiometric determination of zinc with thiocyanate and brilliant green 29

L. Tran Van /Dalat, Vietnam/, D.K. Teherani /Seibersdorf, Austria/ /Accepted 9 June 1988/: Accumulation and distribution of elements in rice /seed, brand layer, husk/ by neutron activation analysis 35

L. Tran Van /Dalat, Vietnam/, D.K. Teherani /Seibersdorf, Austria/ /Accepted 9 June 1988/: Determination of Au, Sb, As, Br, Na, K, Cd, Mn and Cl in rice from Vietnam by neutron activation analysis 43

Elsevier Sequoia S. A., Lausanne
Akadémiai Kiadó, Budapest

K. Yoshihara, T. Sekine /Sendai, Japan/ /Accepted 13 June 1988/: Muon transfer induced by collisional excitation of helium muonide $He\mu^+$ after muon catalyzed fusion 53

J. Tang, C.M. Wai /Moscow, Idaho, USA/ /Accepted 15 June 1988/: Extraction of uranium with crown ether carboxylic acids for neutron activation analysis 61

J. Gerse, J. Kern, J. Imre, L. Zsinka /Budapest, Hungary/ /Accepted 20 June 1988/: Examination of a portable $^{99}Mo/^{99m}Tc$ isotope generator /SUBLITECH^R/ 71

Errata 81

No. 2.

Editorial Note 83

P. Goethals, J. Sambre, G. Slegers, D. Van Haver /Gent, Belgium/ /Accepted 20 June 1988/: Remote controlled unit for the production of [2-^{11}C] isopropyl iodide 85

A. Fajgelj, M. Dermelj, A.R. Byrne, P. Stegnar /Ljubljana, Yugoslavia/ /Accepted 20 June 1988/: Radiochemical separation of the trace elements As, Mo, Sb and Se from some biological standard reference materials 93

H.J.M. Bowen, A.J. Leach /Reading, U.K./ /Accepted 22 June 1988/: Partial separation of rhodium and iridium using polyurethane foam 103

J.O. Dzięgielewski, K. Filipek /Katowice, Poland/ /Accepted 22 June 1988/: Reactivity of tri-n-butylphosphate towards solvated electrons 109

G. Móger, G. Irinyi, D. Gál /Budapest, Hungary/ /Accepted 27 June 1988/: Reactions of alkoxy and hydroxy radicals generated photochemically from hydroperoxide molecules 117

G. Móger /Budapest, Hungary/ /Accepted 27 June 1988/: Reactions of /$n\pi^*$/ and /$\pi\pi^*$/ states of triplet acetophenone with hydroperoxide molecules 125

J. Stach /Leipzig, GDR/, S. Abram, U. Abram /Rossendorf, GDR/ /Accepted 27 June 1988/: Detection of ^{99}TcN-diethyldithiocarbamate in liver tissue by tandem mass spectrometry 131

J.A. Jaén, I.M. Barrios, S.E. Robles /Panamá, Panamá/ /Accepted 28 June 1988/: Mössbauer spectroscopy of iron/II/ formates 139

S.E. Nonie, K. Randle /Birmingham, U.K./ /Accepted 29 June 1988/: Flux anisotropy around a ^{241}Am-^{9}Be neutron source 147

V. Baran /Řež, Czechoslovakia/ /Accepted 1 July 1988/: Relation between precipitated and high-temperature sodium uranates 155

No. 3.

B.S. Randhawa, Anand Pal Singh, R.P. Sharma, P.S. Bassi /Amritsar, India/ /Accepted 1 July 1988/: Comparative study of solid state reactivity between ferrous oxalate dihydrate and unsubstituted/substituted aniline hydrochlorides 165

K. Oohashi /Tokyo, Japan/, N. Nogawa, Y. Tanno, N. Morikawa /Chiba, Japan/ /Accepted 7 July 1988/: On the reactivity of recoil tritium with organic compounds 181

N.E. Whitehead, E. Holm, S. Ballestra /Monaco/ /Accepted 10 July 1988/: Observation of ^{111}Ag and ^{110m}Ag in the Chernobyl fallout 189

M.A. Kurbanov, Kh.F. Mamedov, Z.I. Iskenderova /Baku, USSR/ /Accepted 12 July 1988/: On the energy transfer at the radiolysis of CO-H_2S gas mixture 195

M. Chorąży, R. Męczyński, T.J. Panek /Katowice, Poland/ /Accepted 3 August 1988/: Mössbauer effect study of liver tissues 201

T.M. Peev, A.I. Akala /Bourgas, Bulgaria/, V. Rusanov /Sofia, Bulgaria/ /Accepted 3 August 1988/: Mössbauer and X-ray analysis of corrosion products from surface equipment of oil production well 207

A.M. Barouni, L. Bakos, É. Zemplén-Papp /Budapest, Hungary/ /Accepted 9 August 1988/: Elimination of interelement effects in the determination of bromine by 14 MeV NAA based on characteristic X-ray measurements 215

A.M. Barouni, L. Bakos, É. Zemplén-Papp, G. Keömley /Budapest, Hungary/ /Accepted 9 August 1988/: Reactor neutron activation analysis based on characteristic X-ray spectrometry 225

H.A. El-Naggar, A.S. Abdel-Gawad, H.H. Someda /Cairo, Egypt/ /Accepted 10 August 1988/: Solvent extraction of Co/III/ by benzoylacetone from acetate solutions 233

S. Niese, W. Helbig /Dresden, GDR/ /Accepted 10 August 1988/: Cosmic induced radioactivity in the meteorite Trebbin 245

Errata 249

No. 4.

W.S. Lyon /Oak Ridge, Tennessee, USA/: The energy idea drought 251

P. Ramadevi, U.V. Naidu, G.R.K. Naidu /Tirupati, India/ /Accepted 11 August 1988/: Preconcentration of silver as silver xanthate on activated carbon 257

N. Păunescu, R. Mărgineanu, A. Iorgulescu /Bucharest, Roumania/ /Accepted 12 August 1988/: ^{90}Sr and ^{137}Cs in fallout from Chernobyl in the Bucharest Măgurele area during 1986-1987 263

H. Akçay /Izmir, Turkey/, G. Ardisson /Nice, France/ /Accepted 12 August 1988/: Radioactive pollution of Turkish biotas one year after the Chernobyl accident 273

S.K. Patnaik, P.K. Maharana, S.N. Sahu, G.S.N. Murty /Berhampur, India/ /Accepted 18 August 1988/: Radiation decomposition of metal acetyl acetonates 283

M. Badillo, L. Zikovsky /Montréal, Quebec, Canada/ /Accepted 18 August 1988/: Dechlorination of PCB contaminated transformer oils by extraction with acetone 293

Ok Doo Awh, Jae Rok Kim, Sung Chul Shim /Seoul, Korea/ /Accepted 22 August 1988/: Preparation of ^{99m}Tc complexes with diastereomeric dimercaptosuccinic acids 299

N. Ajdačić, M. Martić /Beograd, Yugoslavia/ /Accepted 22 August 1988/: Radiometric measurements of fallout under accidental conditions 309

P. Tölgyessy /Bratislava, Czechoslovakia/ /Accepted 23 August 1988/: The degradation of bentazone and chlorotoluron in aqueous solutions by gamma radiation. Biodegradability and toxicity /to Tubifex tubifex/ of radiolysis products 321

J.L. Iturbe, E. Ordoñez-Regil /México, D.F., México/ /Accepted 30 August 1988/: Construction and performance of a cooling coil system for silicon surface barrier detectors 331

No. 5.

S.R. Joshi, J.-C. Roy /Burlington and Quebec, Canada/ /Accepted 30 August 1988/: On the transport and trajectories of the Chernobyl debris across Canada and the Arctic 337

T. Mioduski /Warsaw, Poland/ /Accepted 8 September 1988/: Solubility equations for the ethylsulphates of trivalent Y, Pm, Pu, Am and Cm as determined by co-crystallization 351

Y. Sensui, K. Tomura /Tokyo and Yokosuka, Japan/ /Accepted 13 September 1988/: Reaction of ^{13}N atoms formed in propionic acid-d_6 irradiated in a nuclear reactor 359

I. Stefanova, E. Djurova, G. Gradev /Sofia, Bulgaria/ /Accepted 22 September 1988/: Sorption of zinc and cadmium on zeolite rocks 367

R.P. Singhal, Y. Sarwar /Wichita, KS, USA/ /Accepted 23 September 1988/: Synthesis of dirhodium[^{3}H]tetraacetate 377

L. Sbriz, M. Villagran, G. Valconi /Santo Domingo, República Dominicana/ /Accepted 29 September 1988/: Determination of thin surface layers in-situ by the conversion electron Mössbauer spectroscopy /CEMS/, using a parallel plate avalanche counter /PPAC/ 387

H.M. Shihomatsu, S.S. Iyer /São Paulo, Brazil/ /Accepted 29 September 1988/: Isotope dilution alpha spectrometry with spike enriched in ^{233}U for the determination of uranium in geological samples 393

O.A. Capurro, M. de la Vega Vedoya, S.J. Nassiff /Buenos Aires, Argentina/ /Accepted 3 October 1988/: /α,γ/ reaction on ^{197}Au 403

T. Satoh, K. Hasegawa /Ooya, Shizuoka, Japan/ /Accepted 3 October 1988/: Counting efficiency and colour quenching in measuring Cherenkov radiation 409

Le Tuong Minh, T. Lengyel /Budapest, Hungary/ /Accepted 3 October 1988/: Extraction of technetium from ascorbic acid medium with crown ethers 417

No. 6.

A.M. Barouni, L. Bakos, É. Zemplén-Papp /Budapest, Hungary/ /Accepted 30 September 1988/: Simultaneous determination of three components by X-ray spectrometry after neutron activation 423

I. Janovský /Řež, Czechoslovakia/: A phosphate catalyzed reaction of iodine with hydrazine in aqueous solutions 433

J. Lesný, Z. Koreňova, J. Tölgyessy /Bratislava, Czechoslovakia/, B. Novruzi, A. Çela /Tirana, Albania/ /Accepted 5 October 1988/: Determination of cadmium by sub- and super-equivalence isotope dilution analysis 443

A.C. Muscatello, J.D. Navratil /Golden, USA/ /Accepted 6 October 1988/: Americium removal from nitric acid waste streams 449

A.C. Muscatello, J.D. Navratil /Golden, USA/ /Accepted 6 October 1988/: Plutonium removal from nitric acid waste streams 463

Index to Volume 128 479

Contents of Volume 128 487

Announcement 495